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3	1/18/06 5:55:09 PM Page 2
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Defauft Operator	Plurals	I ime Stamp		015	¥	( 451 .clas.) and (polyvinylpyrrolidone or pvp or	US-PGPUB; USPAT;	Ş	Ę	2005/02/16 11:19
Q <sub>R</sub>	9	2005/02/16 08:58				(polyvinyl adj pyrrolidone)) and ((polyvinyl near alcohol) or polyvinylalcohol)	EPO; JPO; DERWENT			
OR .	OFF	2005/02/16 10:26		S11	56	("451".clas.) and (polyvinylpyrrolidone or pvp or (polyvinyl adj pyrrolidone)) and ((polyvinyl near alcohol) or polyvinylalcohol or pvoh or pva)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	O <sub>R</sub>	0FF	2005/02/16 13:55
O <sub>R</sub>	077	2005/02/15 18:04		S14	87	("438".clas.) and (polyvinylpyrrolidone or pvp or (polyvinyl adj pyrrolidone)) and ((polyvinyl near alcohol) or polyvinylakohol or pvoh or pva)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/02/16 14:19
OR .	OFF	2005/02/16 09:00		S15	41	("51".clas.) and (polyvinylpyrrolidone or pvp or (polyvinyl adj pyrrolidone)) and ((polyvinyl near alcohol) or polyvinyl near alcohol) or pvoh or pva)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/02/16 16:37
OR .	0 <del>H</del>	2005/02/16 10:03		S16	56	("451".clas.) and (polyvinylpyrrolidone or pvp or (polyvinyl adj pyrrolidone)) and ((polyvinyl near alcohol) or polyvinylalcohol or pvoh or pva)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR.	PHO-	2005/02/16 16:37
O <sub>R</sub>	OFF	2005/02/16 10:03		\$17	87	("438".clas.) and (polyvinylayrolidone or pvp or (polyvinyl adj pyrolidone)) and ((polyvinyl near alcohol) or polyvinylaicohol or pvoh or pva)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	QR.	PHO	2005/02/16 16:49
2	OR .	2005/02/16 10:26		S18	27	\$15 not (\$17 or \$16)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/02/16 16:38
Ş	9	conjuct to xores		S19	2	(("438" or51 or "451").clas.) and (((polyvinyl near alcohol) or polyvinylalcohol or pvoh or pva) with advantage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DFRWFNT	QR	OFF	2005/02/16 17:53
} 9	2 5	2003/02/10 10:27		S20	4	(("438" or51 or "451").clas.) and (((polyvinyl near alcohol) or polyvinylalcohol or pvoh or pva) with advantage\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/08/09 14:10
Ş	S E	2003/02/17 10:37		S21		(("438" or51 or "451").clas.) and (((polyvinyl near alcohol) or polyvinylalcohol or pvoh or pva) with hydrohyzation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	0 <del>  </del>	2005/02/16 17:28

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Ref # \$1	Hits 7554 21	Search Query (((polising polish) ne composition) or slur polyrinylpyrrolidone ("451".clas.) and polyrinylpyrrolidone	Search Query (((polising polish) near3 composition) or slurry) and polyvinylpyrrolidone polyvinylpyrrolidone polyvinylpyrrolidone	lish) near3 or slurry) and bildone	iish) near3 or slurry) and pildone
	35 21	("451".clas.) and polyviny(pyrrolidone)			US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT US-PGPUB;
53	355	(((polising polish) near3 composition) or slurry) same polyvinylpyrrolidone	ame	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	
\$4	2367	(((polising polish) near3 composition) or slurry) and polyvinylpyrrolidone and ((polyvinyl near alcohol) or polyvinylalcohol)	nd or	nd US-PGPUB; nd USPAT; USOCR; or EPO; JPO; DERWENT	
SS	120	(((polising polish) near3 composition) or slurry) and polyinylpyrrolidone and ((polyvinyl near alcoho!) or polyvinylalcoho!) and (polish or polishing)	or nd	US-PGPUB;  USPAT;  USOCR;  EPO; JPO;  Ish or DERWENT	or
S6	117	(((polising polish) near3 composition) or slurry) and polyviny/pyrrolidone and ((polyviny/ near alcohol) or polyviny/alcohol) and (polish or polishing) and ("%" or percent)	d or ish or iscent)	us-pgpu8; d uspat; usock; vr EPO; JPO; ish or DERWENT	h or cent)
57	33547	("451".clas.) and (polyvinylpyrrolldone or PPlease See Continuation Sheet P)	please	US-PGPUB; Please USPAT; USOCR; EPO; JPO; DERWENT	lease
88	32	("451".clas.) and (polyvinylpyrrolidone or pvp)	vp)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	
S9	17	("451".clas.) and (polyviny/pyrrolidone or pvp) and ((polyviny/ near alcohol) or polyviny/lalcohol)	pvp) and or	p) and	p) and

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	S39	S38	S37	S36	S35	S34	S33	S32	S31	S30
1	246	167	263464	1379	2831	0	0	4	0	ω
	((corrosion near inhibitor) or (complexing near agent)) near3 ((hydrogen adj peroxide) PVA PVP)	S37 and S36	(("438" or51 or "451").clas.)	((corrosion near inhibitor) or ( complexing near agent)) near3 ((citric adj acid) or glycine or benzotriazole or triazole or (hydrogen adj peroxide) PVA PVP (ammonium adj polyacrylate))	((corrosion near inhibitor) or ( complexing near agent)) with ((citric adj acid) or glycine or benzotriazole or triazole or (hydrogen adj peroxide) PVA PVP (ammonium adj polyacrylate))	(("438" or "51" or "451").clas.) and (((polyvinyl near alcohol) or polyvinylalcohol or pvoh or pva) with hydrolyzation)	(("438" or "51" or "451").clas.) and (((polyvinyl near alcohol) or polyvinylalcohol or pvoh or pva) with hydrolyze)	(("438" or "51" or "451").clas.) and (((polyvinyl near alcohol) or polyvinylalcohol or pvoh or pva) with hydrolysis)	(("438" or51 or "451").clas.) and (((polyvinyl near alcohol) or polyvinylalcohol or pvoh or pva) with hydrolyze)	(("438" or51 or "451").clas.) and (((polyvinyl near alcohol) or polyvinylalcohol or pvoh or pva) with hydrolysis)
CENTRAL	US-PGPUB; USPAT; USOCR; EPO; JPO;	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT
	OR	Q <sub>R</sub>	OR	Q <sub>R</sub>	Q <sub>R</sub>	OR.	Q.	OR.	OR	OR
	0FF	OH H	H H	위	O <del>T</del>	OFF	O.FF	OFF	OFF	OFF
	2005/02/17 09:38	2005/02/16 17:53	2005/02/16 18:05	2005/02/16 17:54	2005/02/16 17:49	2005/02/16 17:28	2005/02/16 17:28	2005/02/16 17:28	2005/02/16 17:28	2005/02/16 17:28

Search History 1/18/06 5:55:09 PM Page 3
C:\Documents and Settings\bmuller\My Documents\EAST\Workspaces\10785666.wsp **S**29 **S28 S27 S26 S25 S24** 0 0 0 0 (US-20010005009-\$ or US-20020019202-\$ or US-20020019202-\$ or US-20020095872-\$ or US-20020095872-\$ or US-20020095872-\$ or US-20030121214-\$ or US-20030139127-\$ or US-20030139127-\$ or US-20030139127-\$ or US-20050028450-\$).did. or US-5352277-\$ or US-6376811-\$ or US-643812-\$ or US-643812-\$ or US-643812-\$ or US-643812-\$ or US-643812-\$ or US-6689414-\$ or US-6689414-\$ (("438" or51 or "451").clas.) and (((polyvinyl near alcohol) or polyvinylalcohol or pvoh or pva) with (vinex)) (("438" or51 or "451").clas.) and (((polyvinyl near alcohol) or polyvinylalcohol or pvoh or pva) with (mole adj (percent or "%"))) (("438" or51 or "451").clas.) and (((pohyvinyl near alcohol) or pohyvinylalcohol or pvoh or pva) S23 and vinex S23 and hydrolization US-6811583-\$).did. S23 and elvanol same (vinex)) USPAT; USOCR; EPO; JPO; DERWENT US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT US-PGPUB; USPAT; USOCR; EPO; JPO; USOCR; EPO; JPO; DERWENT US-PGPUB; USPAT; US-PGPUB; USPAT; USOCR; EPO; JPO; USOCR; EPO; JPO; US-PGPUB; USPAT; DERWENT DERWENT US-PGPUB; DERWENT ဝွ 9 ဓ္က ဓ္က õ ဓ္က 유 유 유 유 유 유 2005/02/16 17:24 2005/02/16 17:18 2005/02/16 17:24 2005/02/16 17:19 2005/02/16 17:26 2005/02/16 17:18

**S22** 

8

(((polyvinyl near alcohol) or polyvinylalcohol or pvoh or pva) with hydrolyzation)

US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT

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2005/08/09 14:08

**S23** 

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US-PGPUB; USPAT

OR.

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S47

203

\$43 and (pad adj pressure) and (CMP or ("chemical mechanical polish\$3"))

US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT

S

97

**S48** 

7

S43 and (pad adj pressure) same (CMP or ("chemical mechanical polish\$3"))

US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT

92

OFF F

S49

77

S43 and (pad adj pressure) same (CMP or ("chemical mechanical polish\$3") same (advantage\$4))

US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT

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**S45** 

0

S43 and ((pad adj pressure) same (kilopascats or (kilo adj pascats)))

US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT

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S46

S43 and ((pad adj pressure) same (kpa))

US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT

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HQ

**\$** 

326

S43 and (pad adj pressure)

USOCR; EPO; JPO; DERWENT

US-PGPUB; OR
USPAT;
USOCR;
EPO; JPO;
DERWENT

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S43

106095

(("51" or "451").clas.)

US-PGPUB; USPAT;

OR.

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US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT

S S

PF

S42

19

S37 and S40

S41

178

(corrosion near inhibitor) near3 (glycine or (\$4triazole))

US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT

OR.

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S40

106

(corrosion near inhibitor) near3 ((hydrogen adj peroxide) PVA PVP)

US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT

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	S59	558	S57	\$56	555	S54	553	S52	S51	550
	7	7	<b>c</b> o	162	23	4	104	2	2	2
(polyvinyl near alcohol) or hyrolyzation or (removal adj rate) or "ph")	S58 and (polyvinylpyrrolidone or	(US-20020132563-\$ or US-20020019202-\$ or US-20010024933-\$, Joid. or ( US-6530824-\$ or US-6503418-\$ or US-6443812-\$ or US-6328634-\$). did.	\$43 and (((removal adj rate) same ("nm" or angstrom\$1 or minute\$1)) same (advantage\$4)) and (CMP or ("chemical mechanical polish\$3"))	\$43 and (((removal adj rate) same ("nm" or angstrom\$1 or minute\$1)) and (advantage\$4)) and (CMP or ("chemical mechanical polish\$3"))	S43 and ((removal adj rate) same (advantage\$4)) and angstrom\$ and (CMP or ("chemical mechanical polish\$3"))	S43 and ((removal adj rate) same (advantage\$4) same angstrom\$) and (CMP or ("chemical mechanical polish\$3"))	S43 and ((removal adj rate) same (advantage\$4)) and (CMP or ("chemical mechanical polish\$3"))	S43 and ((pad adj pressure) same (advantage\$4)) and (CMP or ("chemical mechanical polish\$3"))	S43 and (pad adj pressure) same (advantage\$4) and (CMP or ("chemical mechanical polish\$3"))	\$43 and (pad adj pressure) same (CMP or ("chemical mechanical polish\$3")) same (advantage\$4)
USPAT	US-PGPUB;	US-PGPUB; USPAT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT
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	2005/02/17 09:04	2005/02/17 09:00	2005/02/16 18:41	2005/02/16 18:46	2005/02/16 18:30	2005/02/16 18:29	2005/02/16 18:39	2005/02/16 18:22	2005/02/16 18:12	2005/02/16 18:11

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578	S77	S76	575	574	\$73	S72	S71	\$70
1	251	59	1287	4	6	4-	<b>)</b>	10
10/785666.app.	("451".clas.) and (CMP or "chemical mechanical polishing") and ((polyvinyl near alcohol) or polyvinylalcohol or pvoh or pva)	(CMP or "chemical mechanical polishing") and (((polyvinyl near alcohol) or polyvinylalcohol or pvol with ("%" percent))	(CMP or "chemical mechanical polishing") and ((polyvinyl near alcohol) or polyvinylalcohol or pvoly or	572 not 573	(("438" or51 or "451").clas.) and (((polyvinyl near alcohol) or polyvinylalcohol or pvoh or pva) with advantage\$4)	(CMP or "chemical mechanical polishing") and (((polyvinyl near alcohol) or polyvinylalcohol or pvoh or pva) with advantage\$4)	10/152983.app.	(("438" or51 or "451").clas.) and (polyvinylpyrrolidone or pvp or ("poly vinyl pyrrolidone") or (polyvinyl adj pyrrolidone)) and ((polyvinyl adj pyrrolidon)) or (polyvinyl near alcohol) or "pvly orinyl alcohol or PVA or ("polyvinylachol or PVA or ("polyvinyl alcohol")) and ("weight average molecular weight")
US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT
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2006/01/18 16:41	2005/08/09 14:48	2005/08/09 14:36	2005/08/09 14:48	2005/08/09 14:10	2005/08/09 14:10	2005/08/09 14:11	2005/08/09 13:49	2005/02/17 10:59

S69	895	S67	S66	\$65	S64	S63	S62	S61	S60
94	26	197	36	14	140	99	438	7	7
(hydrolyzation same water) and ((mole or mol) adj (percent or "%"))	hydrolyzation same (((mole or mol) adj (percent or "%")) and water)	hydrohyzation and ((mole or mol) adj (percent or "%"))	hydrolyzation same ((mole or mol) adj (percent or "%"))	hydrolyzation with ((mole or mol) adj (percent or "%"))	(complexing near agent) near3 ((hydrogen adj peroxide) PVA PVP)	copper near low-k	copper near3 low-k	SSB and (polyvinylpyrrolidone or (polyvinyl near alcohol) or hyrolyzation or (removal adj rate) or "ph" or PVP or PVA or PVOH or polyvinylalcohol or "poly vinyl alcohol" or low-k)	S58 and (polyvinylpyrrolidone or (polyvinyl near alcohol) or hyrolyzation or (removal adj rate) or "ph" or PVP or PVA or PVOH or polyvinylalcohol or "poly vinyl alcohol")
US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	US-PGPUB; USPAT	US-PGPUB; USPAT	US-PGPUB; USPAT	US-PGPUB; USPAT
O <sub>R</sub>	OR	Q.	S <sub>R</sub>	O <sub>R</sub>	OR.	Q.	QR.	O <sub>R</sub>	O <sub>R</sub>
OFF	OFF	OFF	OFF	97	OFF	97	OFF	OFF	OFF FF
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				579
			adj nitride) or ("TaN"))	l   ("non-ferrous") with ((tantalum
DERWENT	EPO; JPO;	USOCR;	USPAT;	US-PGPUB; OR
				OR.
				OFF F
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				2006/01/18 16:44